JITC EKMS TESTBED CONTACTS

To obtain more information about the JITC EKMS Testbed, its capabilities and procedures, please contact the following:

Action Officer
Bernard "Sonny" Milloy
DSN 879-5481
(520) 538-5481
FAX (520) 538-0599

DSN 879-0487
(520) 538-0487

TESTBED
DSN 879-5202
(520) 538-5202

DISA
Defense Information Systems Agency
Department of Defense

Joint Interoperability Test Command

Attn: Visitor Support Center
P.O. BOX 12798
Fort Huachuca, AZ 85670-2798

Phone: 1-800-538-5482
http://jitc.fhu.disa.mil

Increasing Combat Effectiveness

Through Interoperability

ELECTRONIC KEY MANAGEMENT SYSTEM (EKMS) TESTBED

Joint Interoperability Test Command

INTRODUCTION

The Joint Interoperability Test Command (JITC) is the testing element of the Defense Information Systems Agency. The JITC is the Department of Defense (DoD) agency chartered to certify joint interoperability for DoD systems and equipment. JITC, in conjunction with the National Security Agency (NSA), has established an Electronic Key Management System (EKMS) Testbed at Fort Huachuca, AZ. This brochure outlines the capabilities and functions of the EKMS testbed.

CAPABILITIES

The EKMS Testbed capabilities and functions:

- Interoperability Test Capabilities

- Operational Test Planning
  ◊ Early Limited Operational Testing
  ◊ Operational Assessment

- EKMS Test Library and Archive

- EKMS Unique Test Equipment/Systems

- EKMS Test Engineering Expertise

- EKMS Key Processor Depot Level Test Capabilities

- EKMS "Help Desk"
  ◊ Server Administration
  ◊ Database Administration
  ◊ Help desk to Service and Agency help desks

- CINC Support Capabilities

- X.400 (1988 version) Expertise

- Central Facility Message Server - Worldwide EKMS Schoolhouse Support

- EKMS Test Nodes
  (Army, Navy, Air Force, Civil Agency)

- EKMS Benign Fill Testing

- Component Life-Cycle Testing
  ◊ EKMS Regression Testing
  ◊ EKMS Test Patterns/Templates
  ◊ EKMS Key Processor Testing
  ◊ EKMS DTD Upgrades Testing

- EKMS Communications Interoperability
  ◊ STE-1SDN
  ◊ STU-PSTN
  ◊ Wireline—PSTN
  ◊ KG-250—SIPRNET
  ◊ KG-240—SIPRNET

DISTRIBUTED TEST NETWORKS CAPABILITIES

- JITC Testbeds

- Worldwide Testbeds

Interconnected by high data rate (T1) circuitry, as well as capabilities of the Distributed Network Controller, which provide:

- Flexible, Responsive Connectivity of Local and/or Remote Testbeds

- Distributed Technical Control

- Non-intrusive Monitoring

- System Diagnostics

- Security

Proposed connectivity to the EKMS testbed includes the Communications-Electronics Command Communications Security Logistics Activity, the Air Force Cryptologic Support Center, the Navy Communications Security Material Issuing Office, and the NSA Central Facility.

JITC EKMS TESTBED

As the official fielding date approaches for the EKMS, the EKMS Testbed has found its primary mission evolving. While continuing Standards Conformance and Interoperability testing, we have added life-cycle testing to the mission. As the warfighter fields this equipment and encounters problems that occur with any complicated new system, the JITC is in position to "train the trainers." The personnel from the Testbed have participated in numerous joint exercises, demonstrating both the effectiveness of mature components while providing the warfighter with valuable exposure to EKMS. The expertise gathered through the earlier testing is crucial to the transition of existing procedures and to EKMS systems. With ready access to the JITC Distributed Network, the EKMS Testbed can recreate almost any equipment string in order to troubleshoot any questions/problems. Presently, the JITC EKMS Testbed is being integrated into the NSA customer support program to continue warfighter support to CINC/Service/Agency customers.